

CLAIMS

1. An implement for automatically detaching and displacing an amount of feed, such as for example silage or
5 hay, from a stock of feed, said implement (1) being provided with a robot arm (2) with a detaching member (3) which is suitable for detaching a part of the feed from the stock and displacing it to a predetermined place and depositing it there.

10 2. An implement as claimed in claim 1, characterized in that the detaching member (3) comprises a gripping element (15).

15 3. An implement as claimed in claim 1 or 2, characterized in that the detaching member (3) comprises a bucket (18) or a shovel.

4. An implement as claimed in any one of the preceding claims, characterized in that the detaching member (3) is capable of being closed.

20 5. An implement as claimed in any one of the preceding claims, characterized in that the robot arm (2) is provided with cleaning and/or brushing means (23, 24) for the detaching member (3).

25 6. An implement as claimed in claim 5, characterized in that the cleaning and/or brushing means (23, 24) comprise a sweeping element (24).

7. An implement as claimed in any one of the preceding claims, characterized in that the implement comprises metering means (9; 10) with the aid of which a predetermined measured out portion of feed can be detached.

30 8. An implement as claimed in any one of the preceding claims, characterized in that the implement comprises weighing means (9; 10) for weighing said portion of feed.

9. An implement as claimed in claim 8, characterized in that the robot arm (2) comprises the weighing means (9; 10).

35 10. An implement as claimed in any one of the preceding claims, characterized in that the implement comprises animal

identification means (16) with the aid of which an animal can be identified.

11. An implement as claimed in claim 10, characterized in that the animal identification means (16) are fitted on the 5 robot arm (2).

12. An implement as claimed in any one of the preceding claims, characterized in that the implement comprises at least one feeding and/or watering trough (7).

13. An implement as claimed in any one of the preceding 10 claims, characterized in that the implement comprises at least one container (4) for storing the fodder and/or drink.

14. An implement as claimed in claim 12 or 13, characterized in that the robot arm (2) is disposed above the feeding and/or watering trough (7) and/or above the container 15 (4).

15. An implement as claimed in any one of claims 12 to 14, characterized in that the implement is provided with a chute (25) via which the feed can be discharged to a relevant feeding and/or watering trough (7).

20. 16. An implement as claimed in any one of the preceding claims, characterized in that the robot arm (2) has such dimensions that the detaching member (13) can move over and/or along the bottom of the container (4) and/or the feeding and/or watering trough (7).

25. 17. An implement as claimed in any one of the preceding claims, characterized in that that at least the robot arm (2) is movable over a floor.

18. An implement as claimed in claim 17, characterized in that the robot arm (2) is movable along a rail (29).

30. 19. An implement as claimed in any one of claims 1 to 16, characterized in that the implement comprises one or more transport vehicles (30) that co-operate with the robot arm (2).

35. 20. An implement as claimed in claim 18, characterized in that the transport vehicles (30) are movable along a rail (29).

21. A feeding column provided with various feeding and/or watering troughs in which an implement as described in one or more of claims 1 to 19 can be applied.

On Oct. 10, 1945, the U.S. House of Representatives passed a resolution to award the Congressional Gold Medal to the 100th Infantry Division.